Recombinant Mouse Gper1 Protein, His&GST-tagged

Cat. No. Gper1-2722M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Gper1 Protein (Val10-Leu96) with N-His&GST tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Val10-Leu96
Description	Enables estrogen receptor activity. Involved in several processes, including cellular chemical homeostasis; positive regulation of cell communication; and positive regulation of nitrogen compound metabolic process. Located in cytoplasm; hippocampal mossy fiber to CA3 synapse; and plasma membrane. Is expressed in embryo; metanephros; and pituitary gland. Orthologous to human GPER1 (G protein-coupled estrogen receptor 1).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 39.5 kDa Accurate Molecular Mass: 40 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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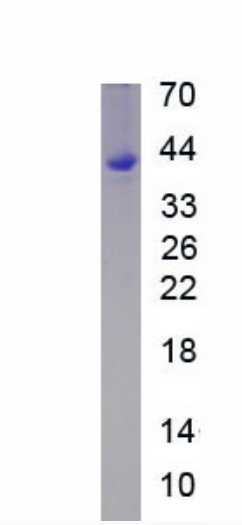
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	Gper1 G protein-coupled estrogen receptor 1 [Mus musculus (house mouse)]
Official Symbol	Gper1
Synonyms	Gper1; G protein-coupled estrogen receptor 1; Gper; Ceprl; FEG-1; Gpr30; CMKRL2; GPCR-Br; 6330420K13Rik; G-protein coupled estrogen receptor 1; G-protein coupled receptor 30; chemoattractant receptor-like 2; constitutively expressed peptide-like receptor like; mER; membrane estrogen receptor
Gene ID	76854
mRNA Refseq	NM_029771
Protein Refseq	NP_084047

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UniProt ID	Q8BMP4



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